

Segment ID: 0101 Water body name: Canadian River Below Lake Meredith

Freshwater Stream

Canadian River Basin

Total size:

97 Miles

Assessment Year	Assessment Method	Status of Use Support or Concern	Location	Location size	# of samples	# of exceedances	Mean
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Aquatic Life Use

2002	Dissolved Oxygen grab average	No Concern	portion in Hemphill County	33	23	0	
2002	Dissolved Oxygen grab average	No Concern	portion in Hutchinson County	32	28	0	
2002	Dissolved Oxygen grab average	No Concern	portion in Roberts County	32	29	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	portion in Hemphill County	33	23	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	portion in Hutchinson County	32	28	0	
2002	Dissolved Oxygen grab minimum	Fully Supporting	portion in Roberts County	32	29	0	
2002	Dissolved Oxygen 24hr average	Not Assessed	portion in Hemphill County	33	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	portion in Hutchinson County	32	0		
2002	Dissolved Oxygen 24hr average	Not Assessed	portion in Roberts County	32	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	portion in Hemphill County	33	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	portion in Hutchinson County	32	0		
2002	Dissolved Oxygen 24hr minimum	Not Assessed	portion in Roberts County	32	0		
2002	Acute Metals in water	No Concern-Limited Data	portion in Hutchinson County	32	8		
2002	Acute Metals in water	No Concern-Limited Data	portion in Roberts County	32	4		
2002	Chronic Metals in water	No Concern-Limited Data	portion in Hutchinson County	32	8		
2002	Chronic Metals in water	Not Assessed	portion in Roberts County	32			
2002	Acute Organics in water	Not Assessed	portion in Hutchinson County	32	2		
2002	Chronic Organics in water	Not Assessed	portion in Hutchinson County	32	2		
2002	Overall Aquatic Life Use	Fully Supporting	portion in Hemphill County	33			
2002	Overall Aquatic Life Use	Fully Supporting	portion in Hutchinson County	32			

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Aquatic Life Use (continued)

2002	Overall Aquatic Life Use	Fully Supporting	portion in Roberts County	32			
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Contact Recreation Use

2002	E. coli single sample	Not Assessed	portion in Hemphill County	33	1	0	
2002	E. coli single sample	Not Assessed	portion in Hutchinson County	32	3		
2002	E. coli single sample	Fully Supporting	portion in Roberts County	32	22	1	1,000
2002	E. coli geometric mean	Not Assessed	portion in Hemphill County	33	1		4
2002	E. coli geometric mean	Not Assessed	portion in Hutchinson County	32	3		
2002	E. coli geometric mean	Fully Supporting	portion in Roberts County	32	22		29
2002	Fecal coliform single sample	Fully Supporting	portion in Hemphill County	33	21	1	
2002	Fecal coliform single sample	Fully Supporting	portion in Hutchinson County	32	27	3	973
2002	Fecal coliform single sample	Fully Supporting	portion in Roberts County	32	27	1	1,000
2002	Fecal coliform geometric mean	Fully Supporting	portion in Hemphill County	33	21		29
2002	Fecal coliform geometric mean	Fully Supporting	portion in Hutchinson County	32	27		67
2002	Fecal coliform geometric mean	Fully Supporting	portion in Roberts County	32	27		28
2002	Overall Recreation Use	Fully Supporting	portion in Hemphill County	33			
2002	Overall Recreation Use	Fully Supporting	portion in Hutchinson County	32			
2002	Overall Recreation Use	Fully Supporting	portion in Roberts County	32			

General Use

2002	Water Temperature	Fully Supporting	portion in Hemphill County	33	27	1	
2002	Water Temperature	Fully Supporting	portion in Hutchinson County	32	28	0	
2002	Water Temperature	Fully Supporting	portion in Roberts County	32	31	0	
2002	pH	Fully Supporting	portion in Hemphill County	33	23	0	

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General Use (continued)

2002	pH	Fully Supporting	portion in Hutchinson County	32	28	0	
2002	pH	Fully Supporting	portion in Roberts County	32	29	0	
2002	Chloride	Fully Supporting	portion in Hemphill County	33	57		1,108
2002	Chloride	Fully Supporting	portion in Hutchinson County	32	57		1,108
2002	Chloride	Fully Supporting	portion in Roberts County	32	57		1,108
2002	Sulfate	Fully Supporting	portion in Hemphill County	33	57		383
2002	Sulfate	Fully Supporting	portion in Hutchinson County	32	57		383
2002	Sulfate	Fully Supporting	portion in Roberts County	32	57		383
2002	Total Dissolved Solids	Fully Supporting	portion in Hemphill County	33	56		2,847
2002	Total Dissolved Solids	Fully Supporting	portion in Hutchinson County	32	56		2,847
2002	Total Dissolved Solids	Fully Supporting	portion in Roberts County	32	56		2,847
2002	Overall General Use	Fully Supporting	portion in Hemphill County	33			
2002	Overall General Use	Fully Supporting	portion in Hutchinson County	32			
2002	Overall General Use	Fully Supporting	portion in Roberts County	32			

Fish Consumption Use

2002	Human Health Criteria	No Concern-Limited Data	portion in Hutchinson County	32	8		
2002	Human Health Criteria	No Concern-Limited Data	portion in Roberts County	32	4		
2002	Overall Fish Consumption Use	Not Assessed	portion in Hemphill County	33			
2002	Overall Fish Consumption Use	Not Assessed	portion in Hutchinson County	32			
2002	Overall Fish Consumption Use	Not Assessed	portion in Roberts County	32			

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Overall Use Support

2002		Fully Supporting	portion in Hemphill County	33			
2002		Fully Supporting	portion in Hutchinson County	32			
2002		Fully Supporting	portion in Roberts County	32			

Nutrient Enrichment Concern

2002	Ammonia Nitrogen	No Concern	portion in Hemphill County	33	21	0	
2002	Ammonia Nitrogen	Concern	portion in Hutchinson County	32	27	21	
2002	Ammonia Nitrogen	Not Assessed	portion in Roberts County	32	8	0	

2002	Nitrite + Nitrate Nitrogen	No Concern	portion in Hemphill County	33	21	0	
2002	Nitrite + Nitrate Nitrogen	No Concern	portion in Hutchinson County	32	25	5	
2002	Nitrite + Nitrate Nitrogen	Not Assessed	portion in Roberts County	32	8	0	

2002	Orthophosphorus	No Concern	portion in Hemphill County	33	20	0	
2002	Orthophosphorus	No Concern	portion in Hutchinson County	32	26	1	
2002	Orthophosphorus	Not Assessed	portion in Roberts County	32	8	0	

2002	Total Phosphorus	No Concern	portion in Hemphill County	33	21	0	
2002	Total Phosphorus	No Concern	portion in Hutchinson County	32	25	0	
2002	Total Phosphorus	Not Assessed	portion in Roberts County	32	1	0	

2002	Overall Nutrient Enrichment Concerns	No Concern	portion in Hemphill County	33			
2002	Overall Nutrient Enrichment Concerns	Concern	portion in Hutchinson County	32			
2002	Overall Nutrient Enrichment Concerns	Not Assessed	portion in Roberts County	32			

Algal Growth Concern

2002	Chlorophyll a	No Concern	portion in Hemphill County	33	21	0	
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Algal Growth Concern (continued)

2002	Chlorophyll a	No Concern	portion in Hutchinson County	32	25	4	
2002	Chlorophyll a	Not Assessed	portion in Roberts County	32	0		

Sediment Contaminants Concern

2002	Metals in sediment	Not Assessed	portion in Hutchinson County	32	2		
2002	Metals in sediment	Not Assessed	portion in Roberts County	32	4		
2002	Organics in sediment	Not Assessed	portion in Hutchinson County	32	2		
2002	Organics in sediment	Not Assessed	portion in Roberts County	32	4		
2002	Overall Sediment Contaminant Concerns	Not Assessed	portion in Hemphill County	33			
2002	Overall Sediment Contaminant Concerns	Not Assessed	portion in Hutchinson County	32			
2002	Overall Sediment Contaminant Concerns	Not Assessed	portion in Roberts County	32			

Fish Tissue Contaminants Concern

2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	portion in Hemphill County	33			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	portion in Hutchinson County	32			
2002	Overall Fish Tissue Contaminant Concerns	Not Assessed	portion in Roberts County	32			

Narrative Criteria Concern

2002	Overall Narrative Criteria Concerns	No Concern	portion in Hemphill County	33			
2002	Overall Narrative Criteria Concerns	No Concern	portion in Hutchinson County	32			

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Narrative Criteria Concern (continued)

2002	Overall Narrative Criteria Concerns	No Concern	portion in Roberts County	32			
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Overall Secondary Concern

2002		No Concern	portion in Hemphill County	33			
2002		Concern	portion in Hutchinson County	32			
2002		No Concern	portion in Roberts County	32			